



Anti-UBA6 monoclonal antibody (DCABH-757)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to Uba6
Antigen Description	Activates ubiquitin by first adenylating its C-terminal glycine residue with ATP, and thereafter linking this residue to the side chain of a cysteine residue in E1, yielding an ubiquitin-E1 thioester and free AMP. Specific for ubiquitin, does not activate ubiquitin-like peptides. Differs from UBE1 in its specificity for substrate E2 charging. Does not charge cell cycle E2s, such as CDC34. Essential for embryonic development. Required for UBD/FAT10 conjugation. Isoform 2 may play a key role in ubiquitin system and may influence spermatogenesis and male fertility.
Immunogen	Recombinant fragment corresponding to amino acids 962-1052 of Human Uba6 with proprietary 26 kDa tag (NP_060697).
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB, IHC-P, Sandwich ELISA
Positive Control	Human testis tissue
Format	Liquid
Size	100 µg
Buffer	pH: 7.20; Constituent: 99% PBS
Preservative	None
Storage	store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Ship

Shipped at 4°C.

GENE INFORMATION

Gene Name	UBA6 ubiquitin-like modifier activating enzyme 6 [Homo sapiens]
Official Symbol	UBA6
Synonyms	UBA6; ubiquitin-like modifier activating enzyme 6; UBE1L2, ubiquitin activating enzyme E1 like 2; ubiquitin-like modifier-activating enzyme 6; FLJ10808; ubiquitin activating enzyme E1; monocyte protein 4; ubiquitin-activating enzyme 6; UBA6, ubiquitin-ac
Entrez Gene ID	55236
Protein Refseq	NP_060697
UniProt ID	A0A024RDB0
Chromosome Location	4q13.2
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination & Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Immune System, organism-specific biosystem; Ubiquitin mediated proteolysis, organism-specific biosystem;
Function	ATP binding; FAT10 activating enzyme activity; ligase activity; nucleotide binding; protein binding;